



DAMEN
Artist impression

DAMEN ASD TUG® 3010 ICE

"YN 512603-04-05-06"

GENERAL

YARD NUMBER
BASIC FUNCTIONS

512603-04-05-06
Towing, mooring and Ø fire-fighting operations

CLASSIFICATION

Russian Maritime Register of Shipping (RMRS)
KM ★ Arc4 R1 AUT1 Tug
Incl. tonnage and loadline certificate
GMDSS cert. A1, Ø A2, Ø A3
Lloyds ✦ 100 A1 Tug ICE 1B FS [✦]
LMC UMS IWS

Ø CLASSIFICATION

PAINTING

Epoxy paint system

DIMENSIONS

LENGTH O.A.
BEAM O.A.
DEPTH AT SIDES
DRAUGHT AFT
DISPLACEMENT
(98% CONSUMABLES)

29.84 m
10.43 m
4.60 m
4.90 m
590 ton

SCANTLINGS

Hull 12 to 17 mm.
Hull construction RMRS Arc4/LR ICE
1A FS

TANK CAPACITIES

FUEL OIL
FRESH WATER
Ø FOAM
Ø DISPERSANT
LUBRICATION OIL
DIRTY OIL
SEWAGE
SLUDGE
BILGEWATER
HYDRAULIC OIL

73.6 m³
11.9 m³
6.6 m³
4.2 m³
3.4 m³
3.0 m³
2.2 m³
3.0 m³
5.4 m³
0.36 m³

PERFORMANCES

BOLLARD PULL AHEAD
BOLLARD PULL ASTERN
SPEED AHEAD

58.0 ton(m)
54.2 ton(m)
13.2 knots

PROPULSION SYSTEM

MAIN ENGINES
TOTAL POWER
AZIMUTH THRUSTERS
PROPELLER DIAMETER
FORCED VENTILATION

2x Caterpillar 3516C HD TA / C
4000 bkW (5370 bhp) at 1600 rpm
2x Rolls Royce US 255
2400 mm.
55.000 m³/hr

AUXILIARY EQUIPMENT

GENERATOR SETS
BILGE PUMPS
FUEL PUMPS
FUEL OIL PURIFIER
COOLING SYSTEM
FRESHWATER PRESSURE SET
HYDRAULIC SYSTEM
Ø FIFI SET
Ø FIFI MONITOR

2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
2x Sterling AKHA 5101 each 20 m³/hr
Sterling AKHA 4101 and AOHA 3101
Westfalia OTC 2-02-137, 920 l/hr
Keel cooling channels
Sterling AOHA 1202
Double main engine driven pumps
Diesel driven pump 600/1200/2400 m³/hr
1x600, 1x1200, 2x1200 m³/hr, water/foam

DECK LAY-OUT

ANCHORS
ANCHOR/TOWING WINCH

2x 360 kg Pool (High Holding Power)
Hydraulically driven two speed winch with split drum and warping head, pull 35 ton at 9.2 m/min. at second layer and slack rope at 27 m/min. at second layer 150 ton brake
5 ton at 15 m/min. electrically driven
Mampaey SWL 650 kN/ 65 ton
Hydraulically driven two speed winch with spooling device and warping head, pull 35 ton at 9.2 m/min. at second layer and slack rope at 27 m/min. at second layer 150 ton brake
D-fender + cylinder fender at transom corners, cylinder and W-block bow fender with water spray

CAPSTAN
TOWING HOOK AFT
Ø TOWING WINCH AFT

FENDERING

ACCOMMODATION

For 8 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors, oil fired central heating system and air-conditioned. With 5 cabins, galley, mess/dayroom, dry store and sanitary facilities.

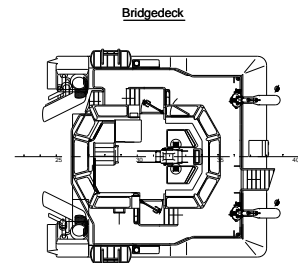
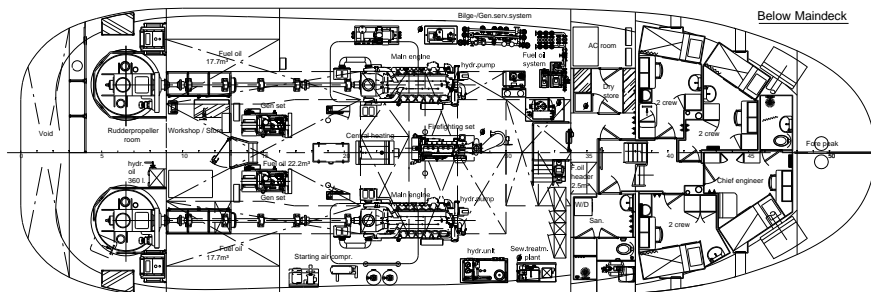
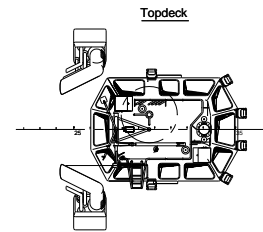
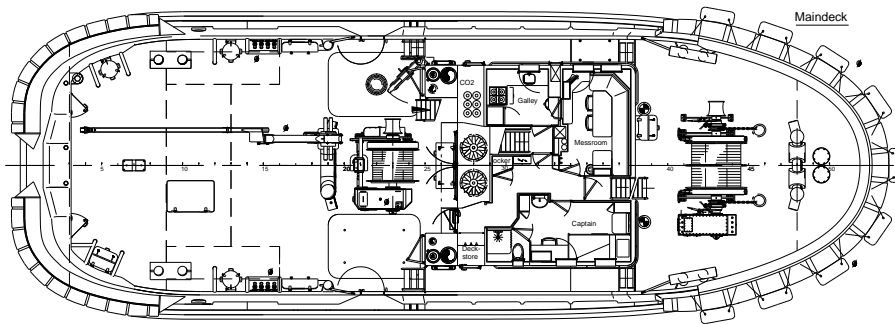
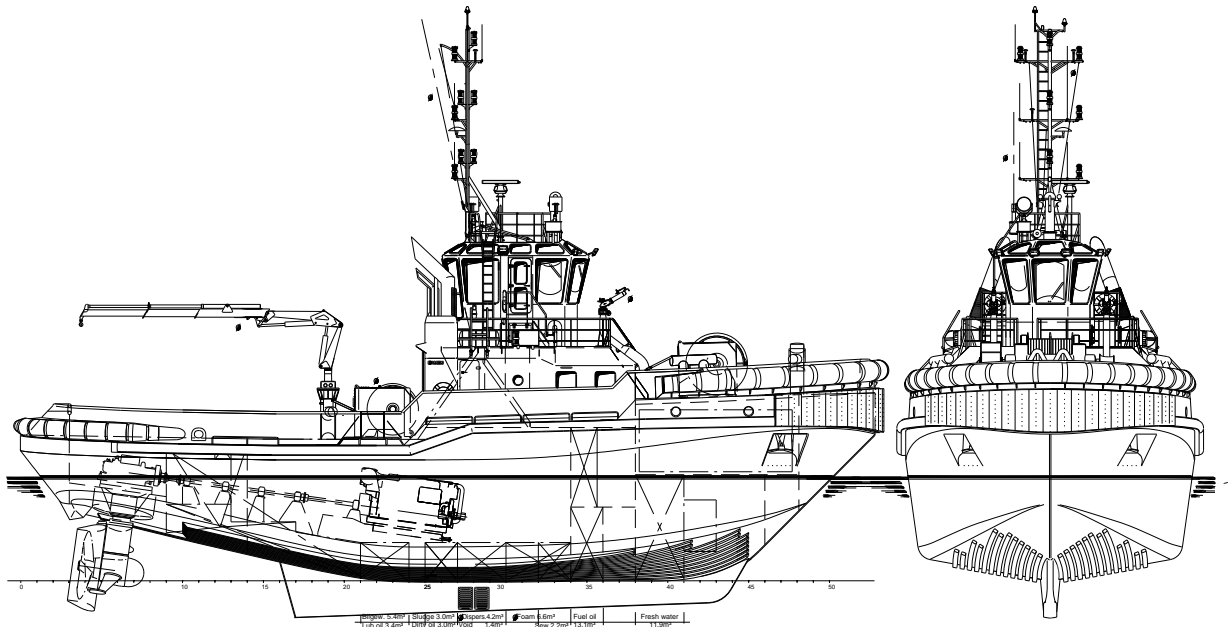
NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCHLIGHT
Ø SEARCHLIGHT (FIFI 1)
RADAR SYSTEM
COMPASS/AUTOPILOT
GPS / GLONASS
ECHOSOUNDER
VHF RADIO TELEPHONE
VHF HANDHELD
NAVTEX
AIS
Ø SSB
Ø INMARSAT
EPIRB
SART

2x Pesch 1000 W
2x Pesch 450W Xenon
Furuno FAR 2117
Magnetic Kottter / Anschuetz, Pilotstar D
Samyung SGN-500
Furuno FE-700
2x Sailor Compact 6222
2x Jotron TR 20
Furuno NX-700-A
Samyung SI-30
Furuno FS-1575
2x Furuno Felcom 18, 1x with LRIT
Jotron, Tron 40-S
Jotron, Tron SART

COMPLETE VESSEL ON TUG

Ø = OPTIONAL EQUIPMENT



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DAMEN SHIPYARDS GORINCHEM

Member of the DAMEN SHIPYARDS GROUP



Industrieterrein Avelingen West 20
4202 MS Gorinchem

P.O. Box 1
4200 AA Gorinchem
The Netherlands

phone +31 (0)183 63 99 11
fax +31 (0)183 63 21 89

info@damen.com
www.damen.com